



"Never A Job Too Small Or Too Big"

A group of men and women of the Technical Services Division who work in Building 9, should use as their motto—"Never a job too small or a job too big for those of the Sheet Metal and Model Shop."

About 18 members of the Sheet Metal and Model Branch

recently put the finishing touches on the largest mockup ever fabricated at JSC. Their product—the Shuttle Orbiter Crew Station Mockup—was rolled out last week from the shop and into the high bay area of the recently completed Mockup Integration Building. Other Space Shuttle

mockups are scheduled for use in this building.

The crew station mockup is a full size replica of the flight article, presently under construction at Rockwell International's Space Division, Downey, California. The JSC mockup is 13.5 feet tall, 28 feet in length and 17.5 feet wide and weighs 13,500 pounds.

Fred Chalfont, chief of the model and plastics shop, said work on the mockup began during May 1974. Just about everyone in the shop, as well as several technicians from the sheet metal shop had a hand in fabricating the six and a half ton crew station mockup.

It is geometrically accurate inside and out. The mockup contains the airlock, instrument panels, waste management area and crew seats. To maintain configuration, modifications will be made so that engineers and astronauts will be working with the latest configuration.

Vernon C. Hammersley, crew station development branch of the Spacecraft Design Division said the mockup will be available to JSC offices for engineering studies, procedures reviews, evaluations, experiment interface studies, equipment fit checks, lighting evaluations, etc.

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A HEFTY LOAD—Workmen attach lines to Space Shuttle Orbiter mockup recently completed by members of the Technical Services Division as it is moved into the new Mockup Integration Facility (Bldg 9A). The mockup which required 8,500 man and woman hours of work weighs 13,500 pounds and is an exact replica of the crew station of the flight Orbiter now under construction at the Rockwell International Space Division at Downey, California.

King To Leave NASA Soon

John W. (Jack) King, Public Affairs Officer at JSC, will leave NASA to accept a position as Director of Public Affairs for the Energy Research and Development Administration. This agency is being established to coordinate development of all energy sources and to explore



JOHN W. KING

new areas of energy such as solar, geothermal and advanced nuclear energy. The new agency will also concentrate on advanced automotive power systems and alternate fuels.

King has been with NASA 14 years. He served as Chief of Public Information at the Kennedy Space Center from 1960 to 1971 and became Public Affairs Officer here in 1971.

He says his decision to leave NASA was "extremely difficult" and that he has "mixed emotions" about leaving. "The people here, beginning with Dr. Kraft, then the management team, the Public Affairs person-

nel and other members of the JSC workforce are the greatest group with whom I have had the opportunity to work. That's why my decision was doubly hard to make. The programs are important, but the people who make up programs are even more important," he said.

King says he feels the space program will contribute as much or more to our Nation in the future as it has in the past. "The work that is going on in our international programs, in Earth Resources, and in the Space Shuttle will make the difference," he added.

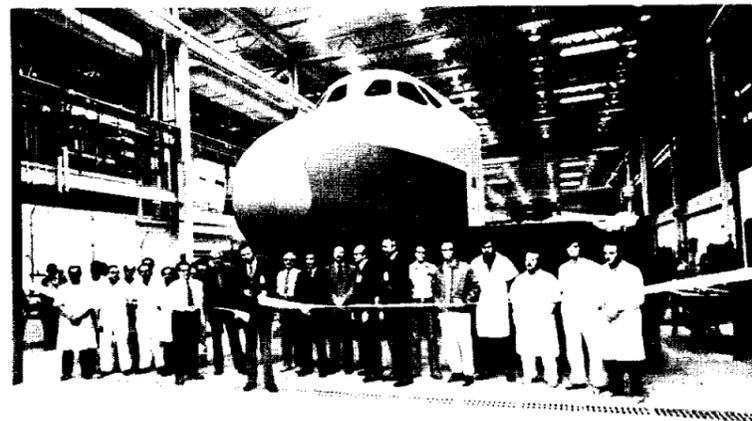
During his career with NASA, King has taken part in more than 200 launches and has been responsible for countdown and

(Continued on page 3)

Attention

The next JSC Telephone Directory will be printed in March. Please note that February 12 will be the cutoff date for NASA employees and on-site contractors to submit new listings or changes for inclusion in the March edition.

The Procedure for publication of the directory, as implemented in JSCA 74-114, ensures that new directories will be printed each March, July and November. All personnel should continue to follow the submission procedures outlined in that announcement. In the future, please be aware that cutoff dates will occur approximately two weeks prior to the printing month.



SNIP AND IT'S OFFICIAL—Center Operations Deputy Director Kenneth Gilbreath cuts the ribbon to permit entrance of the full size Orbiter Crew Station (in background) into the new high bay area of Bldg. 9A. The men and women of Technical Services, who spent more than 8,500 hours in making the mockup appear tiny against the six and a half ton "giant."

ASTP Countdown . . .

The last major meeting of Apollo-Soyuz Test Project working groups in the United States prior to the July mission is currently underway at JSC.

—Working Group One is preparing for the joint simulations now scheduled for the last week in March.

—Working Group Two is working on contingency control modes (emergency procedures) for the mission.

—Members of Working Group Three are reviewing results of tests performed on docking system alignment pin and socket as

Mary Kerr To Head JSC's Federal Women's Program

Mary Kerr, formerly a Deputy Procurement Officer at Ellington Air Force Base, has been appointed Coordinator of JSC's Federal Women's Program (FWP). She will act as the contact point, source of information and advisor on matters concerning the employment and status of women at the Center.

Ms. Kerr says that hers will be an open-door policy and that she will do everything within reason to assist JSC's female employees. She is located in the Equal Employment Opportunity office.

A native of Kapaa Kauai, Hawaii, she began her government career in 1942 as a clerk-stenographer in the U.S. Navy. In 1951, she transferred to the U.S. Air Force as a Procurement typist. From 1955-60, she was Supervisory Purchasing Agent at

Ellington AFB and in 1960 was appointed Procurement Officer, a position she held until taking her present assignment.



MARY KERR

Ms. Kerr says she appreciates and understands the aspirations of women at the lower and middle grades, "I should," she remarked, "I've been there."

Through the years, she has been active in a number of activities and organizations to improve the status of women and other minority groups. While at Ellington, she served as the Federal Women's Program Coordinator, was a member of the Women's Council, the Minority Business Enterprise Committee, the Affirmative Action Plan Committee, and was organizational Coordinator of the Handicapped. Currently, she is Program Committee Chairperson of the Federally Employed Women, Greater Houston Chapter.

Some of the objectives of the FWP are to recruit and hire qualified women, to place women in jobs which offer them advancement in line with their abilities and ambitions, to counsel women about opportunities, to promote education and training which will enhance opportunity for advancement, and a number of other goals.

Ms. Kerr says her ultimate objective is to make JSC's Federal Women's Program as "effective as possible."

She lives in Pearland with her husband, William. They have two children, Charles and Mary.

JSC Says React Time Is Now

July 31, 1975 has been established as the target date for achieving the Center's REACT cost saving goal of \$9 million. REACT (Reduce Every Agency Cost Today), is a new project whose purpose is to decrease expenditures of JSC programs and operations at all levels and in every activity.

As part of the "cost-consciousness" efforts, each member of the Center's workforce is urged to calculate ten percent of his/her annual salary and submit, through REACT, suggestions on ways to save or avoid spending

(Continued on page 2)

Throughout NASA

Furnace System

A multipurpose Electric Furnace System to be used during the ASTP mission has been installed in the spacecraft docking module at the Kennedy Space Center (KSC) Fla. Manufactured by the Westinghouse Corporation under direction of the Marshall Space Flight Center (MSFC), Huntsville, Ala., the furnace will be used to perform experiments to demonstrate the feasibility of using the weightless environment of space to investigate crystallization, convection and immiscibility processes for use in future materials process-

(Continued on page 4)

Bachelor Space Buff Now Full-time Father

Lockheed scientist Dr. Lorrain Giddings, assigned to JSC's Health Applications Office, admits he is a definite space buff, "The space program is a big part of my life," he says. The other "part of his life" is devoted to his five children—all adopted and all from Bolivia.

That's a pretty big order—especially for a bachelor!

It all began in 1963 when Giddings joined the U.S. Peace Corps. Previously, he had worked for the Naval Research Laboratory. While he found his assignment as a researcher interesting, he says it was more tailored for a specialist, "and I consider myself a generalist," he added.

He had always had the ambition to "immerse himself in another culture", so when the opportunity presented itself, he signed up with the Peace Corps and was sent to the "fascinating country of Bolivia where one lives at an altitude of 10,000 feet in most cities and 14,000 feet in the highest."

Giddings quickly learned Spanish (living in a non-English-speaking household contributed

to his rapid cultivation of the language) and taught in Sucre for two years. He remained in the country another three years, serving as a Fulbright lecturer.

During his stay in Bolivia, he became interested in eleven year-old Jose Saavedra whom he adopted. Later, he adopted Jose's two sisters and two brothers. The family lives in Clear Lake City.

Jose, now 22, is enrolled in Texas A&M University where he is majoring in chemical engineering; Edmundo, 20, attends the University of St. Thomas as an art student; 18-year-old Edi goes to Clear Lake High School; Lydia, 14, attends Clear Lake Intermediate; and George, 11, goes to Clear Lake Elementary.

Giddings says their household is run on a "co-op" basis in which each member of the family shares equally in the housework and cooking duties. "It's a good set-up." He commented, "We have our share of problems, but we manage to work them out."

With all his responsibilities as a full-time father and his work as a scientist, Giddings has found the time to write numerous

articles—mostly in Spanish—on the effects of high altitudes on chemistry. He has also written several books in his spare time. One contains information on the effects of altitude. Two other books authored by Giddings contain compilations of images from Mexico and from Bolivia as photographed from space.

Assigned to the Life Sciences Directorate three years ago, Giddings works with such projects as eradicating the screw-worm, controlling the mosquito and similar programs. He has also worked in the Lunar Receiving Laboratory here.

He received his B.A. degree from Vanderbilt University in geology, his M.A. in chemistry, and his doctorate in physical chemistry.

As much as he loves the space program, Giddings does not try to inflict his interests on his children, "They have their own interests and I try to let them make their own decisions about their goals," he says.

But if any of them decide to follow Giddings' example as a human being, it wouldn't be a bad idea at all!



RECEIVES AWARD—Estella Gillette recently received the Outstanding Secretary Award for January. Presenting the award was JSC Director Dr. Christopher C. Kraft, right, with Estella's supervisor, Clifford E. Charlesworth, Manager, Earth Resources Program, left, attending the ceremony.

Estella Gillette Receives Honors

Estella H. Gillette has been deemed a "truly professional secretary whose gracious manner and thoughtful attitude toward others have contributed to the

efficiency of her office. . . . For these qualities and others, she has been selected the Outstanding Secretary for January.

Employed as secretary to Clifford E. Charlesworth, Manager, Earth Resources, Estella has acquired an excellent understanding of the roles of employees involved in the Earth Resources Program, including personnel in such agencies as the Departments of Commerce, Interior and Agriculture.

She is noted for handling messages properly, scheduling meetings efficiently and referring matters to appropriate personnel in the absence of the program manager.

Always eager to gain additional skills that will increase her effectiveness, Estella currently is attending night school to prepare for the Certified Professional Secretary examination. She is also a member of the National Secretaries Association.

Her high-quality secretarial skills and her proficiency in the Spanish language have permitted her to assist in translating documents received from Mexico on the screwworm project.

Charlesworth stated, "Estella's exceptional performance in a responsible position and her continuing interest in self-improvement show a dedication which warrants her recognition as one of the Center's finest secretaries."

Project Diploma Initiated At JSC

Employees who have not completed their high school education may now work toward that goal through a new program at JSC called "Project Diploma."

Those who qualify for the program will be contacted by the Employee Development Branch and if interested, will be assisted in developing a specific plan which will involve attending classes after working hours or possibly during working hours.

If diploma candidates must attend classes during regular duty periods, the Chief, Employee Development Branch, will meet with appropriate management personnel to assure that the required time is provided.

JSC will pay tuition and textbook costs; however, those employees who do not satisfactorily complete courses of study will be obligated to reimburse the government for these expenditures.

Upon completing the program, the employee will receive a diploma or its equivalent, the GED.



CONVERSING—Congressman Olin E. Teague, Chairman of the Science and Astronautics Committee, converses with Ledrieu Linson, President of the American Federation of Government Employees (AFGE), Local 2284. Teague visited the Center last week.



GIDDING FAMILY—Pictured above are Dr. Lorrain Giddings, Health Applications, his mother, and his adopted family. The picture was taken during a visit to Mrs. Giddings' home. Left to right are Jose, Lydia, George, Dr. Giddings, Mrs. Margaret Giddings, Edi and Edmundo.

React Time Is Now *(Continued from Page 1)*

an amount equivalent to those dollars. A packet of REACT cards on which these suggestions may be submitted has been placed in all areas of the Center.

Employees sending in suggestions will receive receipts and later, evaluations of those ideas. These evaluations will inform the

employee if his/her suggestions will be implemented.

Employees are encouraged to react to the "T" (today). Send suggestions now and save more for all of JSC.

For further information, contact Merve Hughes, Cost Reduction Officer, X3018.

Never

(Continued from Page 1)

The "rollout" of the mockup, the product of more than 8,500 man and woman hours, was complete with ribbon cutting and clicking cameras. Kenneth B. Gilbreath, deputy director of Center Operations, and Jack A. Kinzler, chief of Technical Services, took part in the ribbon cutting as the men and women who worked on the mockup watched.

Now the Orbiter mockup sits in the west end of the high bay area of Building 9A. The men and women of the shop may soon break their own record because under consideration by Center management may be their next job, the fabrication of the 60 foot long and 15 foot wide Orbiter payload bay.

"Never a job too small, or too big for those of the sheet metal and model shop."

Join the Payroll Savings Plan.

React to Win with your ideas for cost reductions

EAA Attractions

Western Dance

A Country-Western Dance will be sponsored by the EAA at the Gilruth Recreation Center March 1. Dancing will take place from 8:30-1:00 a.m. with music provided by "Music Master" of Bryan, Texas. A cold buffet will also be served. Tickets will be on sale at the Building 11 Exchange Store beginning February 10. Cost per person will be \$6. There will be an open bar. No tables may be reserved.

Photography

A meeting will be held at the Recreation Center Monday, February 3 for persons interested in organizing a JSC Photography Club. The meeting will begin at 5:15 in Room 215.

Ticket Corner

Windmill Dinner Theatre, \$6.50 (reg. \$10). Dean Goss Dinner Theatre, \$16 (reg. \$20), Houston Livestock Rodeo, Feb. 23, \$5, buy before February 14! Houston Aeros Hockey, all season, \$4.40 (reg. \$5.50) schedule at ticket counter; Houston Rockets, present EAA membership card at Hofheinz Pavillion will call window for \$1 off all price tickets; Sea Arama, year around adults, \$3, children \$2, (reg. \$3.75 and \$2.75), Disney Magic Kingdom Club, free; Lion Country Safari cards, free; EAA Country Western Dance, tickets go on sale Feb. 10. Only 500 tickets available.

Travel Time

Globe Roaming Schedule, Central America, February 13-26, 1975, contact Helen Statz, 483-4039; Caribbean Cruise via Galveston, May 10-17, 1975, contact Bob Ward, 483-6321; ASTP launch, Florida, July 12-15, contact Tom Gallagher, 483-2281; Mexico, Aug/Sept., 1975; Hawaii, October, 1975.

Basketball

The JSC Allstar Basketball Team won a hard-fought battle with the previously undefeated Pasadena WAR team by a score of 70-61 to bring their record to five wins and one loss and tie them for the top spot with WAR. The EAA-sponsored Allstars

jumped out to an early lead and never trailed the WAR, but needed some tough defense and nifty ballhandling to stave off a late rally by the gunners from War. Phil Shannahan and Bill Jackson led the JSC scoring with 20 and 23 points, respectively. The other members of the team are Bert Davila (player-coach), Eddie Rameriz, Larry Ratcliff, Richard Kruse, Corky Corcoran, Jim Arbet, and Kevin Snedecor.

The team plays every Wednesday night in the Pasadena PALS Gym. Anyone interested in attending some of their games (no charge) should contact Bert Davila, Ext. 4717, for schedule information.

Length Of Service Awards Presented

A number of Center employees recently received Length of Service Awards including Aaron B. Olsen, BY, and Margaret M. Jackson, DB, who have been employed by the federal government for 35 years.

Thirty-year award recipients were Salvatore Palazzola, Charles E. Staz, Homer Scott, Robert Meyer Weinert, Raymond Ensley, James C. McLane, Jr., Glenn Miller, John Mayer, Westley H. Brenton, Mitchell H. Johnson, William A. Bowles, Kirksey Collins, and Evelyn King.

Awarded for twenty-five years of service were James M. Grimwood, Florian B. Hobson, Donald B. Sullivan, Williard R. Hawkins, James Moody, Stanley L. Bachman, Gene T. Rice, Mario Falbo, John W. Kiker, William C. Moseley, Jr., Raymond L. Brazil, Vira M. Henry, Levin T. Crowson, Jr., William Parker, Richard Underwood, Nicholas S. Jakir, Harley F. Erickson, Walter H. Smith, Frank Chapko, James Jenkins, George F. Koepke, Karl P. Sperber, Jenney P. Burgan, James H. Sasser, and David H. Cordiner.

Take stock in America.
Buy U.S. Savings Bonds.



WORKING GROUPS ASSEMBLE—Academician Boris N. Petrov addresses an assembly of American and Soviet ASTP Working Group Specialists who are at JSC for the final meetings here before the July ASTP mission. Also present at the meeting were Dr. Christopher C. Kraft, JSC Director, Prof. Konstantin D. Bushuyev, USSR Project Technical Director and Dr. Glynn S. Lunney, U.S. Technical Director.

Roundup Swap-Shop

Swap Shop advertising is available to JSC and on-site contractor personnel. Articles or services must be offered as advertised without regard to race, religion, sex or national origin. Ads should be 20 words or less, including home telephone number. Name and office code must accompany, but need not be included in ad copy. Typed or printed copy must be received (AP3 Attn: Roundup) by Thursday of the week before publication.

VEHICLES

- 70 Honda CL 350 motorcycle, \$500, 334-1274.
- 68 Chevy pickup 1/2 ton custom Deluxe 327 v-8 stick shift, air, radio, heater, 477-2233 aft 5:30 p.m.
- 10-spd bike, \$45, 333-2395.
- 72 Honda, CB-350, 2 cyl, 1000 mi, front disc brakes, blu, \$625, 333-3060.
- 71 Honda 350, \$375, 643-8421.
- 67 Volvo Station wgn, gd cndn, orig owner, economical trans, \$590, Nussman, 482-7009.
- Cab-ovr camper and Chev pickup, 11 1/2' open road self-contained, sleeps 4, nw carpet, drapes, stereo tape in cab and camper, 50 gal water tank, hot water heater, air nw Sears generator/pwr plant, 5-ply tires, 2 spare tires, 70 gal gas capacity, Alan, 784-5450 anytime.
- Tricycle for child 2-4. Good cndn, 3 yrs old, \$8, Merriam, 488-3806.
- 70 Buick Le Sabre 4-dr, pwr, air, priced low to sell, Cornelius, 424-5244 or 422-3394 (Baytown).
- 73-74 Honda 350/4, sissy bar, pad, safety bar, hiway pegs, nw 4:00 rear tire, nvr dropped w/ wind jammer II farring \$1250, without, \$1000, Underhill, 482-3100.
- 71 Yamaha twin 90 street legal licensed, inspected, nds tune-up, \$100, 482-3100 aft 4:30
- 66 Ford Cortina parts engine, auto trans, air, etc. all for \$75.
- 64 MGB, Johnson, Hu8-1270 X480.
- Motorcycle trailer, Little Dude, carries up to 3 motorcycles, will include 6 heavy-duty tie-down straps, \$125, Bean, 333-3814.
- 67 Volvo Sta Wgn, 482-7009.
- 73 Ford 1/2, XLT all-pwr, a/c, radials, stereo-tape, Ford cover, 491-0654.
- Fiat, 68, 850 Spider conv, 32+ MPG, \$750, 488-6095, Bullock
- 73 Chevelle Supersport, 350 V-8, ps, pb, am/tape stereo, auto, console, bucket seat, vinyl top, \$2900, Kennedy, 534-6387 aft 5 p.m.
- 65 Buick Wildcat parts for sale, 401 eng, nds work, air, compressor hoses, pwr str, \$75, 472-6910.
- 69 Pontiac Executive sta wgn, \$750 or trade for equivalent value smaller car, 481-4070.
- 71 Yamaha 90 Enduro, xint cndn, \$250, 333-4696
- 72 Yamaha 90 Enduro, xint cndn, \$250, 333-4696
- 72 Cadillac Coupe de Ville blu w/ white top and interior, all accessories, \$3800, 333-2616 or 333-3672
- 70 Opel GT, yellow, 471-2586.

MISCELLANEOUS

- Bell & Howell XL 672 Lowlite movie camera floodlight for using regular film, \$150 or trade for SX-70, polaroid, 482-3100 aft 4:30, Underhill.
- Ampex Micro 95 cassette player-recorder, plays stack of 6 cassettes, incl about 25 tapes, \$125, 482-3100 aft 4:30, Underhill.
- Portable vacuum tube tester, \$10, Bauch, 5987 or 333-3382.
- Table soccer game, li nw, \$160, 534-4348.
- Pentax Spotmatic II, 28 mm F 3.5 & 150 mm f4 Takumars, cases, filters, etc, \$275 or will sell individual items, Watson 333-2529, or X3411.
- Bushnell Skychief II, 60mm refractor telescope, equatorial mount, tripod, case, 3 eye-pieces plus accessories, xint cndn, \$200, John 334-5993.
- MacGregor "MT" golf clubs, 2 through Pitching Wedge, 1-3-4-5 li nw, 1 yr old, \$195, Puffer, 488-4466.
- Ithaca Featherweight model 37 12 gauge full choke perfect cndn, \$70 aft 5, 488-4139.

- Fender Duo-Sonic II electric guitar w/ hard-case, cord and strap, xint cndn, \$100, 334-1274.
 - Compton ency, 73 edition w/ yearbook, nvr used, part of package purchase, \$150, retail \$289, Rogers, 944-7042.
 - 35mm SLR camera, Pentax w/ 55mm, f1.8 Super-Takumar auto lens and elec flash, Minicam, AC/DC model, both for \$85, 488-1028.
 - Golf clubs, George Bayer model, 5 irons, 3 woods, bag, cart, shoes sz 8, \$50, 333-4696 aft 5.
 - Sun Meadow Country Club membership 334-3447 aft 5.
- ### HOUSEHOLD ARTICLES
- 90" traditional four cushioned sofa, nwly upholstered by Sear's in blu, gold, white, Herculon plaid, \$200, Norkes, 482-3546.
 - Green brushed velvet, 4 cushion sofa w/ chair, black Laz-e-boy recliner, end tables, and coffee table, xint cndn, \$500, 499-4451 aft 5.
 - Piano, Kimball studio, walnut finish, gd cndn, \$300, Ping-pong table, \$15, Shirley, 4676
 - Spanish bar w/ four bar stools, \$90, 488-3286.
 - Couch, 2-piece back, seat foam rubber, blue upholstery, gd cndn, poker table, black iron frame, felt inset, 332-1703.
 - White Simmons baby crib, gd cndn, \$35, 471-5711.

PETS

- Free puppies, part german shepard and part Airdale born Dec. 16, 1974, 481-4070.
- AKC registered male dachshund, 4 mos, bic/tan, \$50, Smith, 488-2122.
- Beautiful AKC great dane pups, 334-5949 aft 5.
- Half Arabian colt, registered, 9 mos old, vry gentle, friendly, \$475, 482-3989 aft 6.

PROPERTY AND RENTALS

- Lease or sale, lovely 3 bdrm home, 2 porches, sundeck, bike to beach, Ft. Lauderdale, inquire 334-2360 Seabrook.
 - Nassau Bay, 4 bdrm, 2 1/2 bath, 2-story, master suite, heated pool, fence, bulkhead, 18706 Martinique, \$85,000, 333-3060.
 - Patented mining claims overlooking southwestern Colorado valley, scenic w/ promising mineral survey, gold primary mineral mined, 334-2070.
 - Friendswood area, 2 br, 2 bth townhouse, shag carpet, color coordinated kitchen w/ re-frig, fenced concrete patio, kingsbeds, near pool, \$275/mo, 333-4696 aft 5.
- ### WANTED
- Want to form car pool from Pasadena/Burke Rd, Red Bluff area to Bldg 1 or 2, 8:30-5 or 8-4:30 Parker, 4341.
 - Car pool 8:30-5, Sagemont to Bldg 1 plus Tuesday and Thus nites at UH/CLC, 6-8:30 Stephens, 481-0095.
 - Bass guitarist/singer and/or lead guitarist/singer to join folk/rock group, Larry, 2961.
 - Wood desk, Briston, 485-2219.
 - Heavy-duty wheelbarrow and used gas/chain saw in gd cndn, Stanley, 488-5506.
 - Stereo speakers, will pay up to \$100 for matching pair, Blucker, 4545.
 - Trumpet player looks for musicians to play jazz.
- ### BOATS
- Fiberglass LWB camper cover all tinted glass, cost \$200, sell \$95, 470-1465.

Take stock in America.

Quality Awards

Quality Increase Awards recently were presented to a number of Center employees including Herbert F. Brunenmeister, Craig Staresinich, Granvil A. Pennington, James E. Bodmer, Thomas U. McElmurry, William L. Tomkins, Virginia B. Hughes, Alma B. Scarborough, Robert N. Hinson, Gilbert L. Carman, Barbara E. Bulot, Kenneth J. Allen, Jerome W. Kahanek, Charles R. Mains, Humberto J. Davila.

Also receiving awards were William L. Partridge, Jewell J. Norsworthy, Mildred S. Lillpop, F. Patt Huber, Louis J. Lewandowski, James E. Mikus, William M. Schroeder (WSTF), Mary A. Patino and Charles N. Crews.

King

(Continued from Page 1)

launch public affairs commentary.

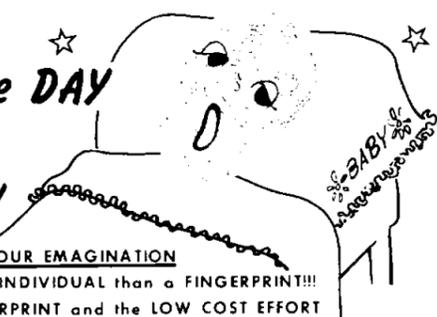
He received the 1969 Lawrence Award as the Outstanding Government civilian public information officer and has also received two NASA Exceptional Service Medals.

King says he is looking forward to the challenges of his new assignment, "Had it been another subject, I probably would not have considered leaving NASA; however, I feel the area of energy research is also very interesting and significant to our Nation," he related.

A native of Boston, King and his wife, Evelyn, have three children, Chip, 16, Beth, 7 and Billy, 5.

He will assume his new duties February 16.

HO HUM...
TODAY'S the DAY
they give
names away



TO FEED YOUR EMAGINATION

There is NOTHING more INDIVIDUAL than a FINGERPRINT!!!
That is why YOUR FINGERPRINT and the LOW COST EFFORT
have been JOINED TOGETHER...for BETTER or FAR BETTER

NAME ME AND WIN A BOND

NAME _____

PHONE NUMBER _____ CODE _____

SUGGESTED NAME _____

NO LIMIT ON NUMBER OF ENTRIES!

today is the LAST DAY!!!

MAIL YOUR ENTRY TO EM/BILL JONES

Kelsey-Seybold Clinic Helps Keep Employees "On The Go!"



PEDDLING ERGOMETER—One employee peddles along on the Ergometer as part of her physical examination.

International Women's Year

The United Nations General Assembly and the President of the United States have designated 1975 as INTERNATIONAL WOMEN'S YEAR (IWY).

The IWY offers a unique opportunity for organizations and individuals to focus attention of the Center and the community on the advancement of the status of women, and the recognition of women's responsibilities and achievements.

It will be the objective of this Center to: promote equality between men and women; ensure the full integration of women in the total work effort; and recognize the importance of women's increasing contributions in all aspects of society.

We at the Johnson Space Center, support the objectives of the INTERNATIONAL WOMEN'S YEAR and will undertake activities to further women's progress.

Christopher C. Kraft, Jr.

Christopher C. Kraft, Jr.
Director

Throughout NASA (Continued from Page 1)

ing applications in space, as well as applications of technology on Earth.

Test Unit

MSFC has completed acceptance testing and delivered to KSC, the Qualification Test Unit for the Electrophoresis Technology Experiment to be conducted during ASTP.

The electrophoresis experiment, concerns the separation of biological experiments such as cells by means of an electric field.

Solar Instrument

An instrument to measure and record the amount of energy available from the Sun is being designed and developed by the IBM Corporation, Federal Systems Division, Huntsville, for the MSFC. The system will provide data for design and development of solar energy conversion equipment by monitoring the amount of solar energy available and by providing data on the absorptive qualities of various collector materials. It will be capable of monitoring both direct and diffuse solar energy, with tracking as well as non-tracking capabilities.

Noise Reduction

A number of NASA contractors, under the direction of the Lewis Research Center, Cleveland, Ohio, are conducting flight and static tests to demonstrate that aircraft such as the Douglas DC-9 and Boeing 727 and 737 can be made significantly quieter.

Participants in the effort, called the Refan Program, include the engine manufacturer, Pratt and Whitney Aircraft Division of United Aircraft Corporation, MacDonal Douglas, Boeing, and United and American Airlines.

SEASAT

The Jet Propulsion Laboratory, Pasadena, California, has been designated lead Center for SEASAT (Sea Satellite), a new NASA program which includes monitoring the oceans to provide continuously updated reports on weather and sea conditions.

The launch of SEASAT-A, scheduled for 1978, will be a proof-of-concept mission which could lead to operational missions in later years.

First Tuesday Film Series

The next film in a series shown on the first Tuesday of each month for the benefit of JSC employees will be run at 12:15 p.m. February 4 in the Building 2 auditorium.

Entitled "Youth Accepts the Challenge of Space," this film describes the 19 experiments that were submitted by high school students and conducted during the Skylab Mission. These 19 experiments were selected from among 3,409 submitted from students all over the United States.

Are you taking advantage of one of your most valuable employee benefits by having an annual physical examination at the JSC Clinic? One visit there will convince you that the staff is truly interested in your well-being.

The Kelsey-Seybold Clinic is situated in Building 8, and there are 23 employees who devote their days to keeping you on the go!

The Clinic's Project Manager, Paul Wright, who is also a practicing M.D., three staff physicians, four registered nurses, four medical technicians, three medical technologists, and one X-ray technician make up part of the staff that handles up to twenty-three daily physical

examinations for all Center employees.

The benefits provided by the clinic are numerous, and fortunately, they are taken advantage of and appreciated by employees. Last year, for example, 22,000 visits were made to Kelsey; this figure includes approximately 5,000 physicals.

The clinic, by providing annual examinations, functions more in the area of "preventive medicine" as opposed to "sick patient visits."

"We're just concerned with the health and well-being of every employee at JSC," said Evelyn West, chief nurse.

Recently added to the clinic's equipment for more thorough and efficient check-ups is the

non-contact tonometer which measures intraocular pressure without mechanically contacting the eye. Pulmonary functions are checked and electrocardiograms are made, among many other tests.

At completion of all the tests, the employee makes an appointment with a physician for two weeks later. When all the reports and results come back to the clinic, the doctor then reviews the complete record with the employee.

The clinic also gives allergy injections, routine immunizations and those for international travel, treatment for any occupational injuries and care to all emergencies such as heart attacks or severe lacerations. Even minor ailments such as sunburn and contact with poison ivy and oak are treated. Questions are answered, and health care is stressed.

The clinic will soon undertake a new project—that of the Medical Surveillance Program for the ASTP mission. Three months before launch, designated primary Apollo-related contacts and employees of Buildings 5 and 35 will have immunizations checked and completed. The purpose is detection of any contagious disease. They will then be given physical examinations and will be re-examined for any contamination.

Active surveillance begins 21 days before launch when physiological training technicians set up in Buildings 5 and 35 to check temperature readings and throat samples of all people entering these buildings.

There are many reasons for the efficiency and thoroughness of the clinic. One was stated by Ms. West: "We have teamwork in the clinic; the entire staff is the team pulling together with everyone in his place doing his job."

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LABELING SAMPLES—One of the Kelsey-Seybold Clinic's technicians is shown labeling and testing urinary samples.

Earth Resources Symposium

JSC will sponsor a major Earth Resources Symposium June 8-13 which will primarily focus on the practical applications of earth resources survey data gathered by both satellites and aircraft. Such data are being utilized and evaluated in a variety of applications, such as regional planning, environmental impact assessment, energy and mineral resource location, water resources management and agriculture.

The symposium is intended to bring together those who have developed the technology for remote sensing of the Earth's resources and those who are using this information or could use it. Over 1,500 persons are expected to attend the five-day event, which will take place at the Houston Shamrock Hilton Hotel.

The symposium will include papers on the results of experiments with remote sensing data obtained from LANDSAT 1—formerly the Earth Resources

Technology Satellite (ERTS-1), the Earth Resources Experiment Package (EREP) which was carried aboard the Skylab manned orbiting space laboratory, and various low and high altitude Earth resources survey aircraft programs. Papers addressing the need for new data systems as well as those describing utilization of existing data will be invited.



TENOMETER—Using the new Tenometer to test eye pressure are William Odell, Medical Technician Supervisor, and Evelyn West, R.N.



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ROUNDUP

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